AIRCRAFT AUTORECOVERY SYSTEMS AND METHODS

ABSTRACT OF THE DISCLOSURE

Methods and systems for performing auto-recovery for an aircraft. An example system includes position and information systems, an automatic flight control system, a

5   database, and a processor. The database includes terrain data, airport data, obstacle data, and protected airspace data. The processor determines if one of a caution alert or a warning alert exists based on data stored in the database and information received from the position and information systems. Auto-recovery instructions are generated and sent to the automatic flight control system if no positive flight control input has been performed at time of

10   expiration of a waiting period. Auto-recovery instructions are generated based on an analysis of two or more auto-recovery routes. The system does not perform auto-recovery if components of the system fail to meet a predefined validity or integrity level.

15

25315
CUSTOMER NUMBER